

## CLAIMS (31053)

What is claimed is:

1. A computer algebra system, comprising:
  - (a) a processor, input, and display;
  - (b) wherein a transformed algebraic expression is displayed with domain of definition constraint(s) only when said transformation changes domain of definition of said algebraic expression.
2. The system of claim 1, wherein:
  - (a) said transformation only computes a domain of definition when a possible domain of definition change exists.
3. The system of claim 2, wherein:
  - (a) said transformation incorporates at least one rewrite rule.
4. A method of display in a computer algebra system, comprising
  - (a) displaying an algebraic expression; and
  - (b) displaying a domain of definition for said algebraic expression when said algebraic expression is a transformation of a second algebraic expression and said transformation changes the domain of definition.